

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
14 July 2005 (14.07.2005)

PCT

(10) International Publication Number  
**WO 2005/064934 A3**

(51) International Patent Classification<sup>7</sup>: **H04N 5/76,**  
5/76, 5/46

**LEFEVRE, Chad, Andrew** [US/US]; 8707 Arbor Lake  
Drive #1526, Indianapolis, Indiana 46268 (US).

(21) International Application Number:  
PCT/US2004/043266

(74) Agents: **TRIPOLI, Joseph, S.** et al.; c/o Thomson Licens-  
ing Inc., 2 Independence Way, Suite 200, Princeton, New  
Jersey 08540 (US).

(22) International Filing Date:  
21 December 2004 (21.12.2004)

(81) Designated States (*unless otherwise indicated, for every  
kind of national protection available*): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,  
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,  
ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/532,228 23 December 2003 (23.12.2003) US

(71) Applicant (*for all designated States except US*): **THOM-  
SON LICENSING S.A.** [FR/FR]; 46, Quai A. Le Gallo,  
F-92648 Boulogne (FR).

(84) Designated States (*unless otherwise indicated, for every  
kind of regional protection available*): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

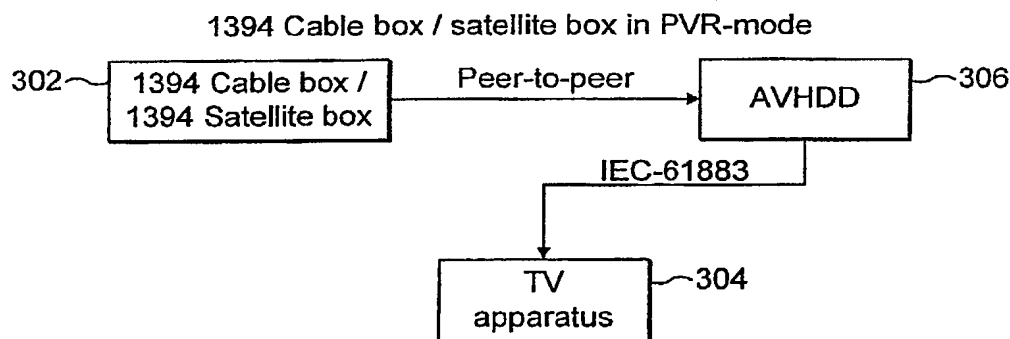
(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **MEARS, Mark,**  
**Gilmore** [US/US]; 6514 Hyde Park Drive, Zionsville,  
Indiana 46077-8258 (US). **TENBARGE, James, Duanne**  
[US/US]; 11372 Spyglass Ridge Drive, Fishers, Indiana  
46038 (US). **HAWKINS, Bret, David** [US/US]; 1185  
River Ridge Drive, Brownsburg, Indiana 46112 (US).

Published:  
— with international search report

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR CHANGING CHANNELS IN A SYSTEM OPERATING IN A RECORDING  
MODE



(57) Abstract: An apparatus and a method for selecting one of a plurality of digital video channels and analog video channels in response to user selection, in particular, when operating in a digital recording mode. The user may select the channel using either a channel scan mode, in which the user selection causes the selection of the next channel in a channel sequence, or a direct channel mode, in which the user enters a specific channel number to be selected. When operating in the recording mode, and the apparatus receives a channel selection in the channel scan mode, the apparatus selects the next digital channel in the sequence and skips any intervening analog channels. When the operating in the recording mode, and the apparatus receives a channel selection in the direct channel selection mode, the apparatus selects the channels and terminates the recording mode if the selected channel is an analog channel and maintains the recording mode if the selected channel is a digital channel. The invention also provides a method for controlling the content in the buffer of a storage device as the user scans through major and minor television channels.

WO 2005/064934 A3



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**(88) Date of publication of the international search report:**

1 December 2005